Zebra Systems, Inc.

78-06 Jamaica Ave., Woodhaven, NY 11421 (718) 296-2385

Timex/Sinclair Products Catalog

VOL. 87A SUMMER ISSUE

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Important: To stay on the Zebra Mailist you must complete and return the form on the back cover of this catalog.

Don't miss the promotions this Fall and Winter! Please complete and return the form today.

NEW PRODUCT

Window Print

Window Print is a machine code program that gives full windowing support for your TS2068. It allows a BASIC or machine language programmer to LIST or PRINT to sections of the screen without the complicated programming usually necessary. In addition to supporting all of the standard BASIC graphic commands, Window Print allows you to define 8 windows on the screen ranging in size from 2 X 2 characters to the full screen. Each of these windows can be PRINTED or LISTED to, cleared completely, and the color of the PAPER and INK can be changed without erasing text or graphics in the w[illegible]. A frame can autom[illegible] drawn around [illegible]d the conte[illegible] direc-tions [illegible] from BA[illegible], any PE[illegible]S, [illegible] AND

[illegible]ools, [illegible] package

[illegible]es [illegible]ehensive [illegible]les a de-[illegible]le of each [illegible] 30 new [illegible], quick ref-ere[illegible] [illegible]een planning shee[illegible] [illegible]ory maps. The c[illegible] [illegible]ncludes an im-pressiv[illegible] BASIC demonstra-tion/cu[illegible]omization program and the 2000 byte machine code Window Print program. Note too that a 64 column version is included for owners of the OS-64 cartridge. Window Print is compatible with nearly all other machine code utilitites because it is stored in low memory area before the BASIC program. This means that you can use Window Print and an 80 column print driver at the same time. If you wanted to use sophisticated graphics techniques usually only available on more expensive computers, then Window Print is the program for you.

Cat# WP01 Window $19.95

NEW PRODUCT

Extended Paint

Extended Paint is a joystick controlled graphic utility for the TS2068 that allows you to paint high-resolution colors onto a black & white screen image like those produced with Tech Draw, VU-3D or RLE images. In addition, Extended Paint can automatically convert an existing standard low-res color screen into hi-res extended color mode. It uses all 24 lines of the screen, allows 192 X 64 or 192 X 32 color resolution with no color clash, supports extended color resolution greyscale dumps to TS2040, or Epson Compatible printers through Aerco, Oliger and FootePrint interfaces, or prints full color image on Canon PJ-1080A inkjet printer (or compatibles). Extended Paint includes an excellent 19 page manual and features a tutorial on using extended color mode in your own programs.

Cat# EP01 Paint $19.95

TS2068 & QL TRACKBALL CONTROLLERS

See Page 15

SPRITES 2068

by Vernon Tidwell and Ron Ruegg

It doesn't matter whether you're a BASIC or machine language programmer - with the easy interface of the sprite service utility and the superb manual that explains it, you will be able to create your own moving sprite graphics. You may want to create complete games or just experiment and learn more about computer graphics techniques. In either case you'll enjoy the ease and the amazing high speed with which your own graphic creations will move.

SPRITES 2068 includes an excellent 34 page manual and a cassette containing a machine code sprite service utility, a SPRITEDRAW BASIC program for defining and moving your own sprites (including twelve sprite commands), and exciting demonstration programs.

***Sprites** are graphic objects programmed in such a way that they can easily and quickly be moved around on a video screen .*

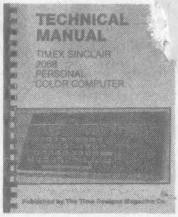
Cat# C421 SPRITES 2068 Only $19.00

TS2068 Technical Manu

The Official 2nd Edition Now in

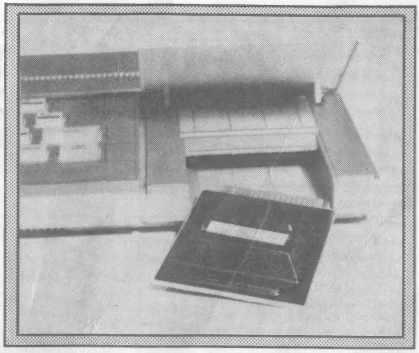
Features Many New Improveme

- ❑ **Full Color Cover**
- ❑ **Over 300 8 1/2 X 11" Pages**
- ❑ **Spiral Bound, weighs 2 lbs.**
- ❑ **More Readable Text**
- ❑ **Printed - Not Photocopied!**
- ❑ **Reworked Diagrams and all kno corrections made.**



By far the most comprehensive source of information on the TS2068, the TS2068 Technical Manual contains a great deal of information that is unavailable elsewhere. Contains explanation of the system software, ROM listings, hardware description, memory utilization, schematic diagram, assembly drawings and more. *No serious TS2068 user should be without it!*

Cat# C416 TS2068 Manual $29.95



OS-64 Character Display Cartridge

gives 64-Column display and has large printer drivers built in.

With OS-64 plugged in, just turn on your computer and you'll get 64 characters per line. OS-64 is an improved version of the TS2068 operating system that gives you twice as much text on screen and is fully compatible with all the old BASIC commands. Existing BASIC programs are easy to change to 64 columns.

Plus, OS-64 has replaced the TS2068's 32 column TS2040 printer rivers with built in large printer sup- So now, LPRINT, LLIST, (and for EPSON-compatible printers), in 64 columns on your large and you don't have to load any software drivers. OS-64 sup- CO, TASMAN, or A&J Cen- faces.

-64 Cartridge $29.95

ıxe Spectrum ulator Cartridge

Now you can run almost any Sinclair Spectrum cassette software on your TS2068 computer. Simply plug a Zebra Spectrum Emulator Cartridge into your cartridge slot. It over-rides the TS2068 ROM with a Spectrum ROM, and puts pull-up resistors on critical signal lines. These Spectrum emulator cartridges have attractive rugged plastic covers like the OS-64 cartridge shown above.

Cat# C227 Spectrum Cartridge $29.95

EXCITING NEW TS2068 SOFTWARE

by NovelSoft

ARTWORX

Graphics Software

- Pull-Down Menus
- Several Brushes
- Several Text Fonts
- Spray
- Cut&Paste Windows
- Auto-Fill
- Auto-Speed Control
- Zoom
- Magnify & Reduce
- Undo
- Full Attribute Control
- Rotate & Mirror
- Fully Elastic Shapes including Circle, Box, Triangle, Ray and Line
- Fast Ellipse and Arc
- Includes Spectrum & TS2068 Versions
- Supports Microdrives & Kempston Joy stick
- Includes GALLERY, the slide show/ animator
- 5 Samples of Artwork
- Excellent Manual

Unshackle Your Creativity with ARTWORX V1.1

Cat# NS01 Artworx Graphic Software $19.95

ZXPERT

Artificial Intelligence Software

- A useful and educational program
- Easy and fun to use
- No programming language to learn
- On-line help
- Includes 2068 & Spectrum versions
- Supports Micro drives
- Two example knowledge bases
- Superb Manual with Tutorial

Join the revolution with ZXPERT

Cat# NS02 ZXpert Software $19.95

THE WORX

Planning Aids, Decision Tools, and Utilities

- Scheduler/Planner
- Notepad
- Telephone Book
- Programmable Calculator
- Decision Factoring
- Real Time Clock
- Biorhythms
- Perpetual Calendar
- International Time Zones
- Superb Manual
- Includes Spectrum & TS2068 versions
- Supports Micro drives

A Timely Addition To Your Software Library
THE WORX
Cat# NS03 The Worx $19.95

TIMACHINE

Revolutionary New BASIC Compiler

- **TIMACHINE** will turn your BASIC into super fast machine code, running up to 200 times faster!
- Handles floating point operations like SIN, COS, TAN
- Handles all BASIC except I/O
- Includes an excellent manual and 4 demonstration programs
- Compiles up to 27K in seconds
- Includes Spectrum & 2068 versions

Super-Charge your BASIC programs with TIMACHINE!

Cat# NS04 Timachine Compiler $19.95

Softsync TS2068 On Sale $8.95 each

Zebra Systems purchased all the Timex/Sinclair product left in Softsync's warehouse in order to bring you these fine programs at special low prices. All product is new and packaged with documentation in Softsync's attractive four-color boxes. **Quantities are limited, so act now.** Remember, these products list for $19.95 to $24.95. **Now is your opportunity to get these fine programs and save a bundle too.**

Zeus Assembler Cat# SS05

Machine Code programming is made simple with Zeus. This sophisticated programmers' aid allows the use of the full Z-80 mneumonic instruction set and comes with a step by step instruction booklet.

Unique features include: a full screen editor, automatic line numbering and renumbering and mini monitor. Displays current registers and single stroke commands save machine code.

Zeus Monitor & Dissassembler Cat# SS06

Acclaimed by reviewers as the most comprehensive Monitor and Dissassembler available.

This powerful programming tool allows you to translate machine code into comprehensible assembly language instructions, enabling you to examine the BASIC ROM, to investigate the workings of the Timex/Sinclair 2068 or to analyze your own machine code routines.

With the highly versatile Monitor, you get an extensive set of facilities to aid the entry, inspection, modification, and debugging of your own machine code programs.

Cyberzone Cat# SS02

Special Feature: Use your voice to activate your laser fire! The sound of your voice sends lasers shooting at the enemy.

Imagine yourself pitted against the Cyber's ultra accurate laser fire. The situation is tense as you avoid the swooping, spinning fighters coming to get you.

Can you stay alive long enough to chip away at the floor of Cyber's spinning spacecraft? And is your aim deadly enough to hit the Cyber's only vulnerable spot...his left foot?

Cyberzone is a fast game with five levels of play and exciting graphics that place you in the center of the action.

Personal Accountant Cat# SS04

The Personal Accountant is a powerful yet purposefully simple accounting program for household and small business use. Using a time honored accounting practice known as "Double Posting Bookkeeping" the Personal Accountant will instantly organize all your financial information.

Open as many accounts as you need, balance your checkbook instantly, track loans, charge card purchases, expenses, and IRA's. Generate financial reports ranging from trial balances to profit/loss, expense vs. income, and assets over liabilities. An amortization table can calculate payments and changing rates, generate future value and growth tables. A built in data base keeps names, addresses and other vital data at your fingertips.

The Personal Accountant is comprehensive yet simple to use with no codes to memorize and the screen will guide you every step of the way.

Voice Chess Cat# SS01

The most advanced chess game available for the Timex/Sinclair 2068 actually talks to you during the game. A digitized voice speaks through the computer's speaker, advising of its move, recommending moves for you and making facetious comments.

Voice Chess is written in fast machine code so it responds to your moves quickly.

Features include: analyze mode, recommend move, change colors or levels at any point in the game, save, reload and print out any game you play. Displays full Chess board in detail.

Gulpman Cat# SS03

The cursed wormoids are out to get control of Gulpland, chasing its inhabitants out of their apple orchards. Eat as many apples as you can to get bonus points and use your lasers to stun the wormoids. 15 different mazes.

FREE OFFER

YOUR CHOICE OF SIX PACKAGES!

With each purchase of a TS2068 AERCO Printer Interface or the Micronics NX10 Printer, **get absolutely free**, a copy of any one of the following TS2068 printer productivity software packages:

- **MSCRIPT**
- **Tech Draw Junior**
- **Banner Designer**
- **Sign Designer**
- **ZPRINT80**
- **Greeting Card Designer**

AERCO Centronics Printer Interface

The AERCO Centronics Printer Interface is the best selling TS2068 printer interface. As a result, nearly all advanced TS2068 software directly supports it. Software to support LLIST, LPRINT, and COPY is included with the interface, as well as the connecting cable.

Purchase entitles you to one free software package from the list at left!

Cat# C180 Aerco Interface $69.95

Star Micronics NX-10 Dot-Matrix Printer

AT A NEW LOW PRICE - SAVE NOW!

We highly recommend this printer. It features exceptional near letter quality printing at 30CPS and 120CPS for standard. New features include convenient front panel push button selection of type style and page formatting, 5K print buffer, friction and bidirectional tractor feed, automatic single sheet feed, and 1 year warranty. It fully emulates the IBM Graphics Printer, has full IBM character set, and is compatible with all Zebra TS2068 graphics software packages.

Purchase entitles you to one free software package from the list above!

Cat# NX-10 Star Printer $259.00

MSCRIPT WORD PROCESSOR FOR THE TS2068

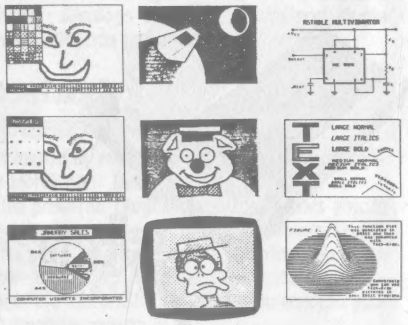
MSCRIPT is the most advanced word processor available for the TS2068 and full sized printers. MSCRIPT uses the TIMEX 2068's 64 Column Extended Screen Mode for a clear 64 X 22 character display. Other features include full control of text width and margins, page headers, page footers, page numbering, auto-clearing of text, full use of your printer's special features from within documents, automatic word wrapping, right justify, block move, block copy and delete functions. Also find and replace any text string. These and other features make MSCRIPT the best TIMEX 2068 wordprocessor available. MSCRIPT requires an AERCO, TASMAN (REV B or C) or A & J Centronics Printer Interface and works with all Centronics Compatible 80 column printers. MSCRIPT includes a 90 page user's manual, quick reference card and cassette with program and sample files. Zebra publishes 4 different versions of MSCRIPT, each optimized for a different mass storage device;

Cat# C160 Cassette Version $24.95
Cat# C159 A&J Version $24.95
Cat# C162 Zebra FDD Version $24.95
Cat# C161 Aerco FDD Version $24.95

Printer support for these 3 programs:

The programs on this page support the AERCO, Tasman B&C, and A&J Centronics printer interfaces. Storage devices supported include cassette, A&J, and Zebra FDD. The printers supported by the respective programs are listed in this table:

	T.D.Jr.	G Series	ZP80
TS2040	Y	Y	No
Epson RX/FX	Y	Y	Y
Star 10X/SG10/NX10	Y	Y	Y
Memotech DMX80	Y	Y	Y
Panasonic 1090	Y	Y	Y
Prowriter	Y	Y	No
Citoh 8510	Y	Y	No
Seikosha GP100	Y	No	Y
Seikosha GP250	Y	Y	Y
Gorilla Banana	Y	Y	Y
Legend 808	Y	Y	Y



Tech Draw Jr.

Tech Draw Jr. was inspired by Apple's MacPaint for the Macintosh computer. Like MacPaint, Tech Draw works in black and white, so that what you see on your screen is what you get on your printer.

Tech Draw Jr. provides 16 brushes and 35 shades and patterns, with resolution to one pixel.

On-screen and pull-down menus make the program extremely easy to use, and give it a really high-tech friendly feel.

Draw commands include Circle, Line, Fixed Vertical or Horizontal, Fill, Undo, and Text.

Text Mode features a selection of font styles and sizes, full screen editing, and character or bit-level positioning.

Comes on cassette with manual.

Cat# C256 Tech Draw Jr. **Only $19.95**

ZPrint 80 Full Page Graphics Print Driver

ZPRINT-80 produces sideways 8.5 X 11 inch full-page gray-scale print-outs of color screen images on your Timex/Sinclair 2068 or 48K Spectrum. Each color will be translated to a corresponding tone of gray. The ZPRINT-80 also supports a 2040 size COPY to your 80-column printer. Your ZPRINT-80 cassette includes both High and Low memory Timex 2068 and ZX-Spectrum versions for maximum compatability. ZPRINT-80 also includes 80-column LPRINT and LLIST support. With the ZPRINT-80 printer drivers you can use your 80-column printer with your own or existing application programs.

Cat# C270 ZPrint 80 **$19.95**

Design Your Own Signs, Banners & Greeting Cards

All 3 programs for $29.95!

Zebra's 2068 Graphics Designer Series includes three programs that let you create Greeting Cards, Signs, and Banners. Each program allows you to mix text and pictures in your creations. Plus, all programs include picture libraries as well as graphics editors so that you can create your own pictures to add to the picture libraries. Great for birthdays,holidays and business too!

Cat# GS03 Graphics Designer Series **$29.95**

Brightly Colored Pinfeedpaper & Matching Envelopes

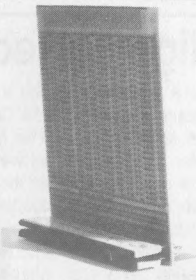
If you would really like to create fantastic looking greeting cards, signs and banners, try a package of this very brightly colored fan-fold paper and matching envelopes. Each package contains 150 sheets of paper and 60 envelopes.

Cat# C274 Colored Paper Pack **$19.95**

Prototyping Board

C211 is a printed circuit board specifically patterned for breadboarding on Timex Sinclair Computer busses. The board is soldermasked to minimize the possibility of soldering shorts in the connector area and is solder tinned elsewhere. At the bottom of the C211 is a conductor pattern to match with edge connectors C110 and C210. The board features a breadboard area with over 1000 holes drilled on 0.1 inch spacing to accomodate integrated circuits and other electronic parts. The copper foil pattern provides for one power and one ground bus to make wiring efficient.

Cat# C211 TS1000 & TS2000 Prototyping Board $9.95



Prototyping board, edge and expansion connectors.

Edge Connectors

C110 & C210 are female wire-wrap edge connectors with lengths and keys to match the TS1000 and TS2068. They have custom labels identifying each pin number and the corresponding signal names for the TS1000 or TS2068. You will find that these labels save you time and help prevent wiring errors.

Cat# C110 46-pin keyed & labeled TS1000 connector $5.95

Cat# C210 64-pin keyed & labeled TS2068 connector $6.95

Expansion Connectors

C112 & C212 are solder tinned printed circuit boards with 0.1 inch edge finger patterns on two sides and with a .070 inch notch in the proper key position for their respective computers. These connectors can be used behind your protocards to extend your computer bus to other peripherals such as modems, printers, and RAM packs.

Cat# C112 46-pin TS1000 expansion connector *New Low Price* **$1.50**

Cat# C212 64-pin TS2068 expansion connector *New Low Price* **$1.60**

Amazingly Low Priced Voice Synthesizers: —The Zebra Talker

The Zebra -Talker unlimited vocabulary voice synthesizer uses the famous Votrax SC01 phoneme synthesizer with 4 programmable pitch levels, automatic inflection, and the ZTalker Text-to-Speech software on cassette (TS1000 version requires 16K). This software contains an advanced machine language algorithm with more than 400 rules of English pronunciation. All you have to do is type in text in English and ZTalker will produce the necessary sequence of phonemes. The Zebra-Talker also features an expansion connector for "piggy-back" expandability, phoneme editor, phoneme dictionary, and instruction manual. The Audio Output plugs into any audio system, or order our Cat# C145 Speaker/Amplifier Module with volume control.

Cat# C141 Zebra-Talker 1000 $35.00

Cat# C241 Zebra-Talker 1500 $35.00

Cat# C242 Zebra-Talker 2068 $35.00

Cat# C145 Speaker/Amplifier $12.50

Zebra Analog-to-Digital Converter

Experimenters rejoice! You can now get an inexpensive 8-channel Analog-to-Digital interface for your ZX81, TS1000, TS1500, or TS2068. The manual includes sample applications and I/O software. Z.A.D. features a 46-pin feed-through connector for peripheral expansion. Each A to D channel has 8-bit resolution and 0-5 volt full scale range. There are many good application suggestions for using A to D's in the following two books also available from Zebra: Computer Interfacing Techniques in Science, and, Powerful Projects for the Timex/Sinclair.

Cat# C403 Z.A.D. $39.95

Your Products?

Zebra Systems is always looking for good Timex/Sinclair products to add to our product line. If you think you have created something with wide appeal, why not contact us about producing and marketing it?

High Speed Micro Drives for the TS2068

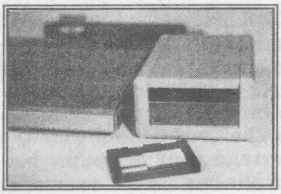
The A & J Micro Drive is a low cost mass storage system for your TS2068 Computer. It features a high speed data transfer rate that is many times faster than cassette as well as being many times more reliable. You can load a 28K program in 24 seconds without the loading problems associated with tape. The Micro Drive attaches to the expansion connector on the back of your 2068, and your existing peripherals attach behind it. The Micro Drive operates using simple commands and most programs will run with little or no modification. A Centronics Printer Interface is built in and all you need in order to use it, is order cable kit AJ08.

The Starter Kit Includes:

- A & J Micro Drive with Interface
- 5 Wafers (1 each:5',10',20',35',50')
- Wafer Organizer
- Operator's Manual
- 90 Day Warranty

$149.50

Cat# AJ01 TS2068 Starter Kit	$149.50
Cat# AJ08 2068 Cable Kit B (New)	$24.50
Cat# AJ03 Organizer Folder (holds 16)	$5.00
Cat# AJ04 Caddy Tray (holds 6)	$9.95



Black Wafers (for current system)

AJ10	10'	14K	4.00
AJ20	20'	28K	4.00
AJ35	35'	49K	4.25
AJ50	50'	70K	4.50
AJ62	62'	85K	4.50

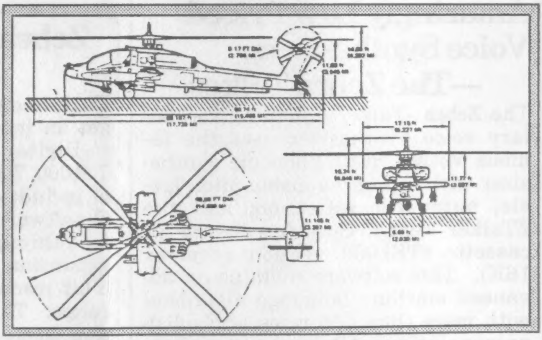
Clear Wafers (for some old systems)

Cat#	Length	Bytes	Price
AJ70	5'	8.5K	3.50
AJ71	10'	17K	3.50
AJ72	20'	43K	4.00
AJ73	35'	59.5K	4.00
AJ74	50'	85K	4.50

AH-64A APACHE TOMAHAWK

Helicopter Flight Simulator

TOMAHAWK is a real-time flight simulation based upon the US ARMY AH-64A APACHE Advanced Attack Helicopter- the meanest, deadliest combat helicopter ever to rule the skies! Its specialized job is to hunt tanks and destroy anything that gets in its way. The Apache was built specifically to fight and survive, night and day, in the thick of the battlefield. Flying a real helicopter is a demanding task, requiring training and practice - particularly ground attack. TOMAHAWK gives you this challenge. Climb into your cockpit and prepare for take-off...



Only the bravest fly...TOMAHAWK !

Optional 2068 Compatible Joystick Cat# C121 $9.95

Features:

- Spectacular 3-D real world display
- Fully aerobatic (within limits of the real helicopter)
- Ground attack & air-to-air interception
- Over 700 ground features
- Day/Night vision systems
- Cloudy conditions, crosswinds & turbulence
- Doppler navigation & target tracking system
- Laser guided missiles, plus rockets & 30mm chain gun
- Selection of training and combat missions
- Impressive sound effects
- Pilot ratings-Trainee to Ace
- Uses both TS2068 joystick ports!

Cat# KC12 Tomahawk $16.95

TIMEX Corporation, 4 for $12.00

2068 Cartridges

Cat#	Title
72000	Budgeter
73001	States & Capitals
74001	out of stock
74005	Crazybugs

2068 Cassettes

61003	Quadra -Chart
62001	Home Improvement Planner
62003	Auto Analyzer
62009	Personal Portfolio Manager
62010	Personal Home Finance
63001	States & Capitals
63004	Timex Teacher I
63010	Spelling I
63011	Spelling II
63016	Math Wizardry I
63017	Math Wizardry II
63019	Wordcross
63020	Word Play I
63021	Word Play II
63025	Language Usage
64001	Androids
64002	Penetrator
64004	Casino I
64005	Crossfire
64006	Circuit Board Scramble
64007	Dragmaster
64009	Guardian
64010	Stock Market Simulation
64012	**out of stock**
64013	**out of stock**
64014	Hungary Horace
64015	Horace Goes Skiing
64019	Horace and the Spiders
64021	Blind Alley
64023	Crazybugs

Knighted Computers

KC01	Multi-Draw 2068	15.95
KC02	Fighter Pilot (F-15 EAGLE)	16.95
KC03	Thorougbred Handicapping	16.95
KC04	Harness Handicapping	16.95
KC05	Greyhound Handicapping	16.95
KC06	Night Gunner	16.95
KC07	TS2068 BASIC Toolkit	13.95
KC08	ZIP BASIC Compiler	16.50
KC09	Trashman	15.95
KC10	Travels with Trashman	15.95
KC11	Machine Code Tutor	18.50

TIMEX 2068 Cartridges

Cat#	Title	Price
73000	~~Flight Simulator~~	15.00
74000	~~Pinball~~	10.00

SHARPS 2068

C202	War in the East	17.45
C203	Fall of 3rd Reich	17.45
C204	Battle of the Bulge	17.45
C205	Britain Invaded	17.45
C206	Fall of Rome	17.45

New Low Prices

Misc. Publishers 2068

TEJ01	Musicola	8.95
TEJ02	Grafist	8.95
TM01	Tasword Two	8.95

Modem Software

We sold out of all our TS2050 modems and over 2,000 uncased modem boards. Now is your opportunity to purchase modem software at bargain prices too.

MTERM/T
for the TS1000/1500/2068

MTERM/T (also known as MTERM I) is a smart terminal program which has the following features: auto-dialing of phone numbers, change modem parameters, change Border, Ink, and Paper colors (TS2068 version only). MTERM/T is supplied on tape with user's manual.

Cat# ST01 MTERM/T $12.95

MTERM II FOR THE TS2068

MTERM II is an advanced software package for your TS2068 equipped with the WC2050 modem. MTERM II features a 14 Number Auto Dial Directory, 27K Send/Receive buffer which can be erased, viewed, printed, or transmitted, 10 Macrokeys which hold up to 53 characters each for auto logon, codes, etc. You can transmit and receive BASIC programs and text from a BBS or another TS2068 Computer. Supplied on tape.

Cat# ST02 MTERM II T $29.95

Timex/Sinclair
Smart Terminal
Telecommunications
By Barry Carter

This book tells you all you wanted to know about MTERM II. It details many features of MTERM II that were left out of the manual. A MUST-HAVE book for MTERM owners!

Cat# C139 TS Smart $8.00

RS-232 Conversion Kits

We still have a few RS-232 Conversion Kits for WC2050 modem boards left. See page 12 of the Zebra Systems 1986 catalog for description, or the article Zebra wrote in Time Design Magazine.

Cat# C183 RS-232 Kit $19.95

ZTERM-64

Zterm is the latest and most powerful TS2068 software package for the WC2050 modem. It works in conjunction with Zebra's OS-64 operating system cartridge to give a full 64 column display and support for full size printers. It features the widely used XMODEM protocol for uploading and downloading, and supports file storage to cassette, A&J micro drive, and Zebra Disk System. Uses very clear on-screen menus. Software on cassette with manual.

Cat# C279 ZTERM-64 $29.95

All the books listed on these 2 pages are

TS2068 Beginner/Intermediate Guide
By Fred Blechman
This book is a good companion to the TS2068's User's Guide. The author explains in a very friendly fashion the mechanics of operating the TS2068 and BASIC programming. Includes information on the peculiarities of Timex BASIC, the keyboard, the sophisticated display capabilities, and practical application programs that illustrate the potential of the TS2068.
Cat# C173 **List Price $9.95**

TS2068 Intermediate/Advanced Guide
By Jeffrey Mazur
This book provides 228 pages of TS2068 Hardware and Machine language references. Material that picks up where the TS2068 Beginners/ Intermediate Manual ends. One section of the book helps you to speed up existing programs, to perform functions normally unavailable from BASIC, and contains many useful programs in BASIC and Machine Language which you can type into your computer. Another section provides information on how to build a variety of useful devices to add on to your TS2068 computer. This book should be on the shelf of any advanced TS2068 owner who wishes to better understand their computer.
Cat# C192 **List Price $9.95**

TS2068 Basics and Beyond
By Sharon Aker
Sharpen your BASIC programming skills with TS2068 Basics and Beyond. Designed for beginning and intermediate programmers, this book offers a collection of tips and techniques that contribute to easier and better programming. This book offers more than 120 short demonstrations, game, and utility programs that show creative BASIC programming in action. Both new and experienced programmers will benefit from the line-by-line explanations that accompany each program. The helpful "Quick Tips" section can save you time, effort, and frustration when writing programs.
Cat# C178 **List Price $9.95**

Computer Interfacing Techniques in Science with Experiments for Sinclair and Timex/Sinclair Computers
By Paul E. Field and John A. Davies
Designed for use with the ZX81, TS1000, TS1500, or TS2068, the experiments in this book help develop programming and circuit building skills while illustrating important concepts in the physical sciences. Each experiment includes step-by-step directions, a list of necessary components, and easy-to-follow schematics and diagrams. These experiments show how microcomputers can be readily adapted for practical uses in the school, university, home or laboratory.

Readers will also learn how to build input and output ports, convert analog signals to digital input, and generate the control signals used for advanced interfacing. Anyone with a basic understanding of electricity and of the BASIC programming language can quickly learn to measure and control experiments and instrumentation with microcomputers.
Cat# C230 **List Price $12.95**

Powerful Projects with Your Timex/Sinclair
By Jim Stephens
Designed for hobbyists and experimenters, novice or experienced, this book shows you how to build creative electronic projects in your home. Beginning with the basics, Jim Stephens clearly explains all the wiring techniques and components you will need to control external devices with your computer. This book contains the following enjoyable projects: construct simple yet powerful control circuits, build an interface connector, create a weather station, build your own robot, and construct a speech synthesizer for your robot.

This how-to book gives you detailed instructions for doing these projects with the TS2068, TS1500, TS1000, and ZX81 computers.
Cat# C231 **List Price $12.95**

on sale for $5 each, 2 for $9, 3 for $12.

Vu-Calc and Vu-File (The Organizer)
Getting Serious with Your Timex/Sinclair
By Robert B.V. Masters
A practical how-to book containing information and completely developed applications. In addition to telling you how to get the most out of VU-CALC and VU-FILE (THE ORGANIZER), this book provides appendices on how to customize these programs to meet your individual needs. Also contained in this book are tear-out worksheets for both VU-CALC and VU-FILE (THE ORGANIZER). While this book mostly pertains to the ZX81/TS1000/1500 versions of VU-CALC and VU-FILE (THE ORGANIZER), there is a section specifically covering the TS2068 version for TS2068 users.
Cat# C136 **List Price $17.95**

ZX81 Programming for Real Applications
Tired of zapping aliens? Want to really use your TS1000/1500 or ZX81? Then this book and software package is for you. Contains many practical programs to use on the Sinclair that will do "real" jobs in a variety of environments: data-base, educational programs, financial programs, and a word processor. 164 pages plus 12 programs on cassette. ***Includes free cassette!***
Cat# B101 **List Price $5.00**

Learning Timex/Sinclair BASIC
By Dr. David A. Lien
Learning Timex/Sinclair BASIC is a 350 page comprehensive manual for the Timex/Sinclair 1000 and Sinclair ZX80/81 which will answer all your programming questions. Its simple step-by-step instructions make learning the BASIC language a breeze, especially for first-time computer users. Don't miss this opportunity to learn from a proven teacher of BASIC how to write your own custom software. It includes many sample programs, as well as exercises which you can use to test your knowledge of BASIC as you progress. This book is a must for any TS1000/1500 or ZX80/81 owner.
Cat# C135 **List Price $14.95**

INS and OUTS of the TS1000 and ZX81
The INS and OUTS of the TS1000/ZX81 contains the complete circuit diagram of this amazing computer, as well as a full discussion of the unorthodox methods which are used in making this microcomputer do what it does. The author also includes a number of practical projects to enable you to take full advantage of the system's hardware including expanding its memory capabilities. The Ins and Outs of the TS1000/ZX81 is the only book to deal with the hardware aspects of the TS1000/ZX81, and is a must for anyone interested in building their own peripherals for this computer.
Cat# C107 **List Price $12.95**

Control Things with Your Timex Sinclair
Put that TS1000 or 1500 to work. Control things around the house: turn on lights and appliances remotely, monitor temperature in one or more locations. Build a programmable I/O port. This book shows you how plus many more projects. Includes several chapters on how to write software for controlling things. 183 pages.
Cat# B102 **List Price $6.95**

Unfortunately space limitations don't allow us to more fully describe the following good books.

TS2068 Books

Inside the TS2000
Cat# B103 **List Price $9.95**
Exploring TS1000/1500 Graphics
Cat# C126 **List Price $9.95**
Explorer's Guide to the TS1000/15000
Cat# C127 **List Price $9.95**
BASIC Basics for the TS1000/1500/ZX-81
Cat# C128 **List Price $9.95**
Programming Your TS1000 in BASIC
Cat# C164 **List Price $9.95**
The Elementary TIMEX/SINCLAIR
Cat# C130 **List Price $14.95**

TS1000/1500/2068

Brain Games for Kids and Adults
Cat# C199 **List Price $8.95**

MEMOTECH
at Lowest Prices Ever!

Zebra Systems has done it again. We have used our buying power to purchase a large lot of Memotech hardware for the TS1000/ZX81. All merchandise is new, and warranteed by Zebra Systems for 90 days.

As you long-time Timex users know, Memotech manufactured the classiest TS1000 add-ons in the business. All items are packaged in Memotech's sleek black aluminum cases that look great attached to your computer.

The most outstanding values in the lot are the HRG high resolution graphics adaptors which allow each of the TS1000's 248 X 192 pixels to be addressed.

We have priced everything to sell out fast, so please order now.
Don't be sorry later!

Centronics Interface

The BASIC commands LPRINT, LLIST, and COPY are used to print on any CENTRONICS type printer. All ASCII characters are generated and translation takes place automatically within the pack. Reverse capitals give lower case. Additional facilities allow high resolution printing. Cable is included. **Was $79.90**

Cat# MI01 Sale $69.90

Memotext

Text is first arranged in 32 character lines for the screen with comprehensive editing facilities. On output the user simply chooses the line length required for printing and the system does the rest. Used with the Memopak Centronics Interface, the Word Processor makes available printout with 80 character lines, upper and lower case and single and double size chracters.

Was $39.95

Cat# MT01 Sale $19.95

High Resolution Graphics

This pack breaks down the constraints imposed by operating at the Z80 character level and allows high definition displays to be generated. All 248 x 192 individual pixels can be controlled using simple comands, and the built in software enables the user to work interactively at the dot, line, character, block and page levels.

Was $79.95

Cat# MG01 Sale $29.95

Memocalc

The screen display behaves as a window on a large sheet of paper on which a table of numbers is laid out. The maximum size of the table is determined by the memory capacity, and with a Memopak 64K a table of up to 7000 numbers with up to 250 rows or 99 columns can be specified.

Was $39.95

Cat# MC01 Sale $19.95

Memopak Memory Extensions

For those just starting out on the road to real computing, these packs transform the Timex from a toy to a powerful computer. Data storage, extended programming and complex displays all become feasible. Further details available on request

•16K Memopak
~~Cat# MT16 Now $14.95~~
Was ~~$39.95~~, Save $20

•32K Memopak
Cat# MT32 Now $24.95
Was $79.95, Save $50

•64K Memopak
Cat# MT64 Now$49.95
Was $119.95, Save $60.

Huge Savings ... $2.00 Per Tape Inventory Blowout

Mix and match from this wide assortment of fine TS1000 titles. Quantities of some titles are limited so order promptly to get those you want. Refunds will be issued for titles sold out of stock.

TIMEX Corporation

- 02-1000 Statistics
- 02-1001 Money Analyser I
- 02-1002 Money Analyzer II
- 02-2000 sold out
- 02-3001 Power Pack
- ~~02-3002 Geometry I~~
- ~~02-3003 Algebra I~~
- ~~02-3004 Algebra II~~
- 02-4001 Mixed Game Bag II
- 02-4002 Challenger I
- 02-4003 Mixed Game Bag III
- 02-4004 sold out
- 03-1000 Vu-Calc
- 03-1001 Inventory Control
- 03-1002 Manufacturing Control
- 03-1003 Critical Path Analysis
- 03-1004 sold out
- 03-1005 sold out
- 03-2000 Organizer
- 03-2001 Budgeter
- 03-2002 Loan/Mortgage Amortizer
- 03-2003 Checkbook Manager
- 03-2004 Coupon Manager
- 03-2005 Car Pooler
- 03-2006 Stamp Collector
- 03-2007 Stock Option Analyzer
- 03-2008 Home Improvement Planner
- 03-2009 sold out
- 03-2010 IRA Planner
- 03-2011 Auto Analyzer
- 03-2012 sold out
- ~~03-2013 Personal Finance Planner~~
- ~~03-2014 Portfolio Analysis~~
- 03-2015 Heating System Analyzer
- 03-2017 Solar Water Heater Designer
- 03-2018 College Cost Analyzer
- 03-2018 College Cost Analyzer
- 03-2019 sold out
- 03-3000 Supermath
- 03-3001 States and Capitals
- 03-3002 Flight Simulator
- 03-3003 Presidents
- 03-3005 Punctuation Master
- 03-3006 Ator the ABC Gator
- 03-3007 Capitalization Master
- 03-3008 sold out
- 03-3009 sold out
- 03-3010 Language Usage
- 03-3011 sold out
- 03-3012 sold out
- 03-3013 Music Educator I
- ~~03-3014 Conversational German~~
- ~~03-3015 Conversational French~~
- ~~03-3016 Conversational Spanish~~
- 03-3017 sold out
- 03-3018 sold out
- 03-3019 sold out
- 03-3020 sold out
- 03-3021 sold out
- 03-3022 Word Quest
- 03-3023 Doobarry Domino
- 03-4000 Chess & Chess Clock
- 03-4001 Backgamon & Dice
- 03-4002 Gambler
- 03-4003 Cube Game
- 03-4004 Grimm's Fairy Trails
- 03-4005 Mixed Game Bag I
- 03-4006 Supermaze
- 03-4007 Bigflap Attack
- 03-4008 Ram Runner
- 03-4009 Puzzler
- 03-4010 Pinball
- 03-4011 Stock Market Game
- 03-4012 Frogger
- 03-4013 Fortress of Zorlac
- ~~03-4014 Trap~~
- ~~03-4015 Strategy Football~~
- 03-4016 Kasino Kraps
- ~~03-4017 Tarot~~
- 03-4018 sold out
- ~~03-4019 Trident~~
- 03-4020 Galactic Gunner

RESTON PUBLISHING

- C301 Monarch
- C302 Demolition Ten-Pin
- C303 Championship Chess
- C304 One-Arm Bandit/ Blackjack
- C305 The Nowotnik Puzzle
- C306 Invasion Force
- C307 Escape from Shazzar

Melbourne House

- MH001 11 Games
- MH002 Starfighter
- MH003 Catacombs
- ~~MH004 3D Monster Maze~~

SOFTSYNC

- SST01 Space Raid/TS Destroyer 2K
- SST02 sold out
- SST03 Stock Market Calculator
- SST04 Shark's Treasure
- SST05 Space Commando
- SST06 Biorhythms
- SST07 Double Feature Adventure
- SST08 2K Games Pack
- SST09 Mazogs
- SST10 Meteorites
- SST11 Red Alert
- SST12 Alien Invasion
- SST13 Graphics Toolkit
- ~~SST14 Programmers Toolkit~~
- SST15 Alpha/Vowel Tutor
- SST16 Hangman
- SST17 Math Raiders
- SST18 sold out
- SST19 Nightgunner
- SST20 Superchess

MISC.

- BR01 Othello
- ~~BR02 ZX Toolkit~~

Order-form Suggestion:

If you are planning to order a large number of tapes from this page, you may wish to use a photocopy of this page as an order form.

Sinclair ZX81 Starter System Only $29.95

The ideal gift for a friend just starting out in personal computing:

- Used, reconditioned ZX81 with 30-day Zebra warranty.
- New ZX81 Power Supply.
- New Sinclair 16K Rampack.
- TV / Computer Switch box.
- Video Cable.
- Three TIMEX Corporation program tapes.
- Learning Timex Sinclair BASIC by David Lein.

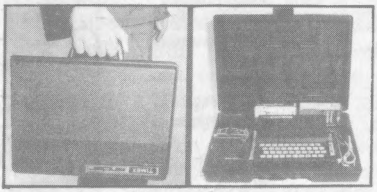
Cat# ZX01 ZX81 Starter System $29.95

Alphacom 32 Thermal Printer

This is a 32 column thermal printer which reproduces all the characters and graphics of the TS1000 computer. It is very compact and reliable. It plugs into the back connector of your computer and features an expansion connector so that you can still plug in a RAM pack behind it. The printer comes with an 82 foot roll of paper. ZX81, TS1000, 1500 and 2068 compatible.

Cat# S240 Alphacom 32 Printer $39.95
Cat# C148 6-Roll Pack Thermal Paper $15.00

ZX81/TS1000 Carrying Cases



These cases are ideal for carrying your computer on trips or storing it when not in use. They were custom molded for TIMEX Corporation, resemble small attache cases, measure approximately 14" x 10" x 4", have a black leather-like texture, distinctive Timex/Sinclair logo, and small fold-away carrying handles.

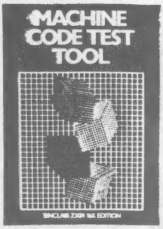
Each case has 7 individual compartments for the following items: ZX81, TS1000, or TS1500 Computer, power supply, user's manual, cassette and video cables, T.V. switch box, TS1016 16K RAM Pack, and four program cassette tapes.

Cat# CC01 Carrying Case $9.95

Sinclair 16K RAM Pack

The TS1000 computer has 2K of random access memory built into it. (The ZX81 has just 1K.) The Sinclair 16K RAM Pack will increase your computer's memory capacity to 16K so that you can load and run all of the most popular software titles. This 16K RAM can also be used to extend the TS1500's built-in 16K RAM to 32K.

Cat# S116 16K RAM Pack $9.95



The Machine Code Test Tool is a utility program which comes handsomely boxed with a 32 page tutorial course manual, enabling you to enter, test, display and debug hexadecimal machine code routines simply and quickly. Good for absolute beginner to expert level. For ZX81/TS1000/TS1500. **Cat# C282 $9.95**

TS1000 Product Finder

Item	Page
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Prototyping Parts	7
Books	10, 11
A to D Converter	7
Printer Interface	12
Star NX-10 Printer	5

WORD SINC II.3 Wordprocessor

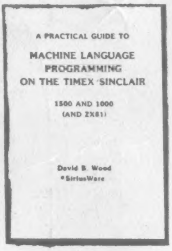
WORD SINC II.3 is a full featured word processor that will transform your TS1000 into a real word processing system. WORD SINC II.3 prints 42 characters per line on the TS2040 or Alphacom 32 printers in UPPER and LOWER case plus punctuation and 20 special characters. Requires TS2040 or Alphacom 32 thermal printer and 16K RAM.

Cat# C174 Word Sinc II.3 $19.95

Zebra BBS

As many of you know Al Hartman who left Zebra Systems in February 1986, was our BBS SYSOP. Al loved to spend an hour or so each day reading the electronic mail and maintaining the message base on what was then the Zebra bulletin board system. No one currently on our staff likes to do what he did and thus the Zebra BBS is no longer up.

A Practical Guide to Machine Language Programming on the TS1500 and 1000



This book combined with The Machine Code Test Tool is the ideal way to learn machine code programming. It is very thorough and well written. By David B. Wood, 250 pgs.

Cat# C149 $14.95

Computer-Grade Blank Tapes

These are high quality cassettes containing tape specifically formulated for data recording. We use these tapes ourselves for all of the software we publish.

Cat# C010 1 Doz. C-10 Tapes $12.00
Cat# C020 1 Doz. C-20 Tapes $15.00

TS Computerfest

Zebra Systems was the largest exhibitor at the Second Annual Timex Sinclair Midwest Computer Show held May 2-3, 1987 in Indianapolis Indiana. We displayed six tables of merchandise, premiered several new products, and generally contributed to the continuing support evidenced at the show for Timex Sinclair computers.

Trackball Controllers

Zebra Systems has purchased over 10,000 WICO Trackball controllers. We adapt them for different model computers and sell them at bargain prices. Our TS2068 model plugs directly into the 2068's joystick port and is fully compatible with all software written for the Timex and Atari-Compatible joysticks. We also have a trackball version available for the Sinclair QL.

Cat# TB01 TS2068 Trackball $29.95
Cat# TB11 QL Trackball $29.95